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RAW SEQUENCE LISTING
PATENT APPLICATION US/09/380,377ADATE: 06/08/2000
TIME: 08:10:46

Input Set: I380377A.RAW

This Raw Listing contains the General Information
Section and up to first 5 pages.

1 <110> APPLICANT: BULLEID, NEIL J
2 <120> TITLE OF INVENTION: PROCOLLAGEN ASSEMBLY
3 <130> FILE REFERENCE: 39-189
4 <140> CURRENT APPLICATION NUMBER: US/09/380,377A
5 <141> CURRENT FILING DATE: 1999-09-16
6 <150> EARLIER APPLICATION NUMBER: 9704305.3
7 <151> EARLIER FILING DATE: 1997-03-01
8 <160> NUMBER OF SEQ ID NOS: 18
9 <170> SOFTWARE: PatentIn Ver. 2.0
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12 <212> TYPE: PRT
13 <213> ORGANISM: Homo sapiens
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16 1 5 10 15
17 Leu Arg Leu Met Ser Thr Glu
18 20
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29 <211> LENGTH: 23
30 <212> TYPE: PRT
31 <213> ORGANISM: Homo sapiens
32 <400> SEQUENCE: 3
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35 Leu Arg Leu Leu Ser Thr Glu
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38 <211> LENGTH: 23
39 <212> TYPE: PRT
40 <213> ORGANISM: Homo sapiens
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53 Arg Leu Leu Ser Ala Ser
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55 <210> SEQ ID NO 6
56 <211> LENGTH: 22
57 <212> TYPE: PRT
58 <213> ORGANISM: Homo sapiens
59 <400> SEQUENCE: 6
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61 1 5 10 15
62 Arg Leu Leu Ser Lys Glu
63 20
64 <210> SEQ ID NO 7
65 <211> LENGTH: 22
66 <212> TYPE: PRT
67 <213> ORGANISM: Homo sapiens
68 <400> SEQUENCE: 7
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70 1 5 10 15
71 Lys Leu Leu Thr Ala Ser
72 20
73 <210> SEQ ID NO 8
74 <211> LENGTH: 22
75 <212> TYPE: PRT
76 <213> ORGANISM: Homo sapiens
77 <400> SEQUENCE: 8
78 Val Asp Ser Glu Gly Ser Pro Val Gly Val Val Gln Leu Thr Phe Leu
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80 Arg Leu Leu Ser Val Ser
81 20
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83 <211> LENGTH: 20
84 <212> TYPE: DNA
85 <213> ORGANISM: Artificial Sequence
86 <220> FEATURE:
87 <223> OTHER INFORMATION: Description of Artificial Sequence:RECOMBINANT
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91 <210> SEQ ID NO 10
92 <211> LENGTH: 32
93 <212> TYPE: DNA
94 <213> ORGANISM: Artificial Sequence

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108    aatggagctc ctggaccat g
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127 <223> OTHER INFORMATION: Xaa is any naturally occurring amino acid, or no amino aci
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132          20
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W--> 146	Xaa Xaa Xaa Ser Ser Arg			
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154	1	5		
155	<210> SEQ ID NO 16			
156	<211> LENGTH: 250			
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158	<213> ORGANISM: Homo sapiens			
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160	Tyr Tyr Arg Ala Asp Asp Ala Asn Val Val Arg Asp Arg Asp Leu Glu			
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162	Val Asp Thr Thr Leu Lys Ser Leu Ser Gln Gln Ile Glu Asn Ile Arg			
163	20	25	30	
164	Ser Pro Glu Gly Ser Arg Lys Asn Pro Ala Arg Thr Cys Arg Asp Leu			
165	35	40	45	
166	Lys Met Cys His Ser Asp Trp Lys Ser Gly Glu Tyr Trp Ile Asp Pro			
167	50	55	60	
168	Asn Gln Gly Cys Asn Leu Asp Ala Ile Lys Val Phe Cys Asn Met Glu			
169	65	70	75	80
170	Thr Gly Glu Thr Cys Val Tyr Pro Thr Gln Pro Ser Val Ala Gln Lys			
171	85	90	95	
172	Asn Trp Tyr Ile Ser Lys Asn Pro Lys Asp Lys Arg His Val Trp Phe			
173	100	105	110	
174	Gly Glu Ser Met Thr Asp Gly Phe Gln Phe Glu Tyr Gly Gly Gln Gly			
175	115	120	125	
176	Ser Asp Pro Ala Asp Val Ala Ile Gln Leu Thr Phe Leu Arg Leu Met			
177	130	135	140	
178	Ser Thr Glu Ala Ser Gln Asn Ile Thr Tyr His Cys Lys Asn Ser Val			
179	145	150	155	160
180	Ala Tyr Met Asp Gln Gln Thr Gly Asn Leu Lys Lys Ala Leu Leu Leu			
181	165	170	175	
182	Lys Gly Ser Asn Glu Ile Glu Ile Arg Ala Glu Gly Asn Ser Arg Phe			
183	180	185	190	
184	Thr Tyr Ser Val Thr Val Asp Gly Cys Thr Ser His Thr Gly Ala Trp			
185	195	200	205	
186	Gly Lys Thr Val Ile Glu Tyr Lys Thr Thr Lys Thr Ser Arg Leu Pro			
187	210	215	220	
188	Ile Ile Asp Val Ala Pro Leu Asp Val Gly Ala Pro Asp Gln Glu Phe			
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190	Gly Phe Asp Val Gly Pro Val Cys Phe Leu			
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193	<211> LENGTH: 251			
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195 <213> ORGANISM: Homo sapiens
196 <400> SEQUENCE: 17
197 Phe Tyr Arg Ala Asp Gln Pro Arg Ser Ala Pro Ser Leu Arg Pro Lys
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199 Asp Tyr Glu Val Asp Ala Thr Leu Lys Ser Leu Asn Asn Gln Ile Glu
200 20 25 30
201 Thr Leu Leu Thr Pro Glu Gly Ser Arg Lys Asn Pro Ala Arg Thr Cys
202 35 40 45
203 Arg Asp Leu Arg Leu Ser His Pro Glu Trp Ser Ser Gly Tyr Tyr Trp
204 50 55 60
205 Ile Asp Pro Asn Gln Gly Cys Thr Met Glu Ala Ile Lys Val Tyr Cys
206 65 70 75 80
207 Asp Phe Pro Thr Gly Glu Thr Cys Ile Arg Ala Gln Pro Glu Asn Ile
208 85 90 95
209 Pro Ala Lys Asn Trp Tyr Arg Ser Ser Lys Asp Lys Lys His Val Trp
210 100 105 110
211 Leu Gly Glu Thr Ile Asn Ala Gly Ser Gln Phe Glu Tyr Asn Val Glu
212 115 120 125
213 Gly Val Thr Ser Lys Glu Met Ala Thr Gln Leu Ala Phe Met Arg Leu
214 130 135 140
215 Leu Ala Asn Tyr Ala Ser Gln Asn Ile Thr Tyr His Cys Lys Asn Ser
216 145 150 155 160
217 Ile Ala Tyr Met Asp Glu Glu Thr Gly Asn Leu Lys Lys Ala Val Ile
218 165 170 175
219 Leu Gln Gly Ser Asn Asp Val Glu Leu Val Ala Glu Gly Asn Ser Arg
220 180 185 190
221 Phe Thr Tyr Thr Val Leu Val Asp Gly Cys Ser Lys Lys Thr Asn Glu
222 195 200 205
223 Trp Gly Lys Thr Ile Ile Glu Tyr Lys Thr Asn Lys Pro Ser Arg Leu
224 210 215 220
225 Pro Phe Leu Asp Ile Ala Pro Leu Asp Ile Gly Gly Ala Asp His Glu
226 225 230 235 240
227 Phe Phe Val Asp Ile Gly Pro Val Cys Phe Lys
228 245 250
229 <210> SEQ ID NO 18
230 <211> LENGTH: 248
231 <212> TYPE: PRT
232 <213> ORGANISM: Homo sapiens
233 <400> SEQUENCE: 18
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236 Met Thr Ser Leu Lys Ser Val Asn Gly Gln Ile Glu Ser Leu Ile Ser
237 20 25 30
238 Pro Asp Gly Ser Arg Lys Asn Pro Ala Arg Asn Cys Arg Asp Leu Lys
239 35 40 45
240 Phe Cys His Pro Glu Leu Lys Ser Gly Glu Tyr Trp Val Asp Pro Asn
241 50 55 60
242 Gln Gly Cys Lys Leu Asp Ala Ile Lys Val Phe Cys Asn Met Glu Thr
243 65 70 75 80
244 Gly Glu Thr Cys Ile Ser Ala Asn Pro Leu Asn Val Pro Arg Lys His

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Line	?	Error/Warning	Original Text
129	W	"N" or "Xaa" used: Feature required	Gly Asn Pro Glu Leu Pro Glu Asp Val Leu A
131	W	"N" or "Xaa" used: Feature required	Xaa Xaa Ser Ser Arg
144	W	"N" or "Xaa" used: Feature required	Gly Asn Pro Glu Leu Pro Glu Asp Val Leu A
146	W	"N" or "Xaa" used: Feature required	Xaa Xaa Xaa Ser Ser Arg